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Knowledge Dissemination

The WWW Virtual Library

Michael Chapman Arthur Secret
Raoul Sanchez Lisa Micah

Paper presented to *THE INTERNET SOCIETY*
Development Special Interest Group
Wednesday October 18th, 2006 — CERN, Geneva

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2. What we are
3. The VL in 2006
4. The Future
5. Conclusion

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Overview.html

Information by Subject

See also arrangements by [organization](#) or by [service type](#). Mail www-request@info.cern.ch if you know of online information not in these lists....

Aeronautics
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Astronomy and Astrophysics
[Abstract Indexes](#) (down?)

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See [Networking](#), [Jargon](#), [newsgroups](#), [Software Technology](#), [Languages](#), [Algorithms](#).

Geography
CIA [World Fact Book](#), India: [Miscellaneous information](#), Thai-Yunnan: [Davis collection](#).

Law
US [Copyright law](#).

Libraries
Few libraries currently have servers - you have to log on to them. But you can find out how with [Art St. George's list of library systems](#), about "[Library](#)" in the [internet resource guide](#), and the [hytelnet index](#).

Literature
[Project Gutenberg](#): two classic books a month. See their [explanations](#), the [index and newsletter](#), books published in [1991](#), [1992](#), and [reserved for the USA](#).

Humanities
[BMCR classical reviews](#), [Poetry](#), [Sci-fi reviews](#). See also [electronic journals](#).

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[CIRM library](#) (french)

Meteorology
[US weather](#), state by state. Also [WAIS weather](#) (around MIT :-).

Music
[MIDI interfacing](#), [Song lyrics](#) (apparently disabled for copyright reasons)

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Politics & Economics
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Reference
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Religion
[The Bible](#) (King James version), The Book of [Mormon](#), The [Holy Qur'an](#)

Social Sciences
[Coombs papers archive](#).



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November 3rd 1992:



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The screenshot shows a web browser window with the title bar 'File Edit View Tab Settings Bookmarks Go Tools Help'. The address bar contains 'http://www.w3.org/History/19921103-hypertext/hypertext/WWW/ThePr'. The main content area has the heading 'World Wide Web' and the following text: 'The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents. Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#), [Policy](#), November's [W3 news](#), [Frequently Asked Questions](#). [What's out there?](#) Pointers to the world's online information, [subjects](#), [W3 servers](#), etc. [Help](#) on the browser you are using [Software Products](#) A list of W3 project components and their current state. (e.g. [Line Mode](#), X11 [Viola](#), [NeXTStep](#), [Servers](#), [Tools](#), [Mail robot](#), [Library](#)) [Technical](#) Details of protocols, formats, program internals etc [Bibliography](#) Paper documentation on W3 and references. [People](#) A list of some people involved in the project. [History](#) A summary of the history of the project. [How can I help?](#) If you would like to support the web.. [Getting code](#)

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“... there would be the occasional ‘Hey, I’ve just set up a server, and it’s dead cool. Here’s the address.’

With each new message I would enter in info.cern.ch a hyper-text link to the new web site ...”

“In July and August 1991 there were from ten to one hundred ‘hits’ (pages viewed) a day.”

Tim Berners-Lee *Weaving the Web* (Harper Business ISBN 0-06-251587-X), pp. 47 & 49.



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Social Sciences
[Coombs papers archive](#) .



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Coombs Papers

This archive is a public archive of academic papers in the social sciences, and also in Pacific Rim geography and religious studies.

Chose your nearest site

Main archive site is at [Australian Nat'l. University, Canberra](#) with daily copies to [Washington University, St. Louis, USA](#) and with weekly copies to [the US national UUCP gateway, California, USA](#) and [Univ. of Nth Carolina, USA](#).

They are just about to release two WAIS servers - one with inf. about Pacific Manuscripts microfilms collection at ANU, the other one about the anthropological/sociological research in the Thai-Yunnan arrea of the SE Asia. The launching is going to happen tomorrow, 21st May 92.



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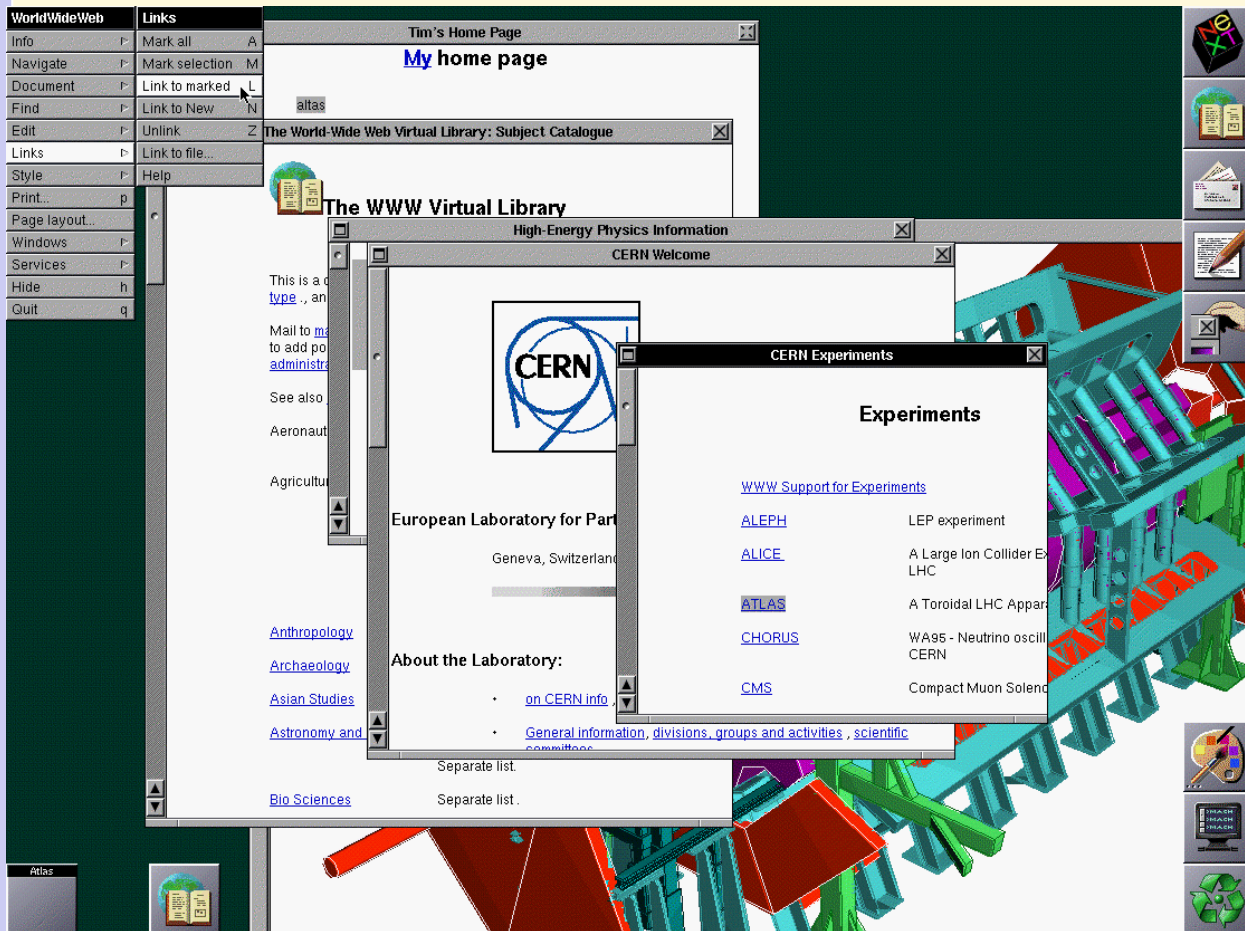
August 1992: There are about 20 Web servers in existence.

Ciolek: Global Networking: a Timeline.

VL (with logo) first known screenshot 1993

(by October 1993 — 200+ servers ...)

Ciolek: Global Networking: a Timeline.



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Navigation buttons: back, forward, home, search, etc.

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Weaving THE WEB

THE ORIGINAL DESIGN AND ULTIMATE DESTINY OF THE

By now the Web consisted of a small number of servers, with info.cern.ch the most interconnected with the rest. It carried a list of servers, which to a degree could coordinate people who were putting information on the Web. When the list became larger, it needed to be organized, so I arranged it in two lists, by geography and by subject matter. As more servers arrived, it was exciting to see how the subjects filled out. Arthur Secret, another student, joined me for a time and set up the lists into what we called the Virtual Library, with a tree structure that allowed people to find things.

Foreword by MICHAEL DERTOUZOS, Director of MIT Laboratory for Computer Science

TIM BERNERS-LEE

WITH MARK FISCHETTI

...nly global
ndently with offers
join Karen as a vis-
itor at Xerox PARC.
e both institutions
me a much-needed
States rather than
than physics.
ple like Larry and
Web on more Inter-
y the fact that the
We trod a fine line
ers within CERN at
pursuing the goal of
ed out for not stick-

g used much within
or that matter—was
) for anything other
king, hypertext, and
for the Web to grow,
intosh, and Unix. At
at for the X Window
I had no resources.
ng that there was no



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IMMEDIATE DESTINY OF THE

By now the Web consisted of a small number of servers, with info.cern.ch the most interconnected with the rest. It carried a list of servers, which to a degree could coordinate people who were putting information on the Web. When the list became larger, it needed to be organized, so I arranged it in two lists, by geography and by subject matter. As more servers arrived, it was exciting to see how the subjects filled out. Arthur Secret, another student, joined me for a time and set up the lists into what we called the Virtual Library, with a tree structure that allowed people to find things.

HAEL DERTOUZOS, *Director of MIT Laboratory for Computer Science*

BERNERS-LEE

g used much within
or that matter—was
) for anything other
king, hypertext, and



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Location Edit View Go Bookmarks Tools Settings Window Help

Location file:/home/mchapman/VL/yahoo.html

Yahoo

- [Art](#) (619)
- [Business](#) (8546)
- [Computers](#) (3266)
- [Economy](#) (898)
- [Education](#) (1839)
- [Entertainment](#) (8874)
- [Environment and Nature](#) (268)
- [Events](#) (64)
- [Government](#) (1226)
- [Health](#) (548)
- [Humanities](#) (226)
- [Law](#) (221)
- [News](#) (307)
- [Politics](#) (184)
- [Reference](#) (495)
- [Regional Information](#) (4597)
- [Science](#) (3289)
- [Social Science](#) (115)
- [Society and Culture](#) (933)

There are currently **31897** entries in the Yahoo database

Some Other General Internet Directories:

[[WWW Virtual Library](#) * [EInet Galaxy](#) * [University of Michigan Clearinghouse](#)]
[[GNN - Whole Internet Catalog](#) * [Planet Earth](#) * [Yanoff's Connections](#)]

March 1995/2005:

- [Social Science](#) (115) **NEW**
- [Society and Culture](#) (933) **NEW**

*There are currently **31897** entries in the Yahoo database*

Some Other General Internet Directories:

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WWWVL

2. Ethos

- What we are
- What we are not
- Summary



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2.1. What we are

The same concept from inception until now.

Like the Web itself, the VL is simple and logical.

Like the Web itself, it also has at its foundation the free distribution of free information.



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2.2. What we are not

“It is futile to discuss whether the Index or the table of Contents is the more useful in a book.”



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Not a search engine ...

Google no longer say, on their main welcome page, how many pages they index ... but a search for “html” earlier this year produced 12,920,000,000 pages.

Compared with that 11 figure total the VL only refers to a *six* figure number of links/URLs.



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Not an encyclopædic directory project . . .

Compared with **dmoz**/ODP, both volunteer:

"Just as the Oxford English Dictionary became the definitive word on words through the efforts of a volunteers, the Open Directory follows in its footsteps to become the definitive catalog of the Web."

but attributable v. "The Republic of the Web".

VL is more monographic as against dmoz's ambition to be encyclopædic.

(One could say 'academic' v general, but that has too many pejorative overtones.)



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Not an encyclopædic directory project...

VL is attributable. VL is selective.

VL lacks a Wiki's speed of response.

Again 'different animals'.



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Quality rather than breadth.

Indeed the one thing we do well is 'focussed' VLs.

We are determined to keep the original VL concept, but seeking to finance that without commercialisation will be the challenge.

2.3. Summary

The best paper comparison is perhaps with a small academic publisher.

We select / are selected by individuals who have a discrete collection of knowledge they wish to put before a (perhaps specialist) public. They contribute their knowledge, their expertise. We 'market' their œuvre, both actually by placing in the Catalog, but also by adding our 'imprimatur' to the work.



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A collection of

- * individual,
- * attributable,
- * autonomous,
- * expert subject indices.



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A collection of

- * individual,
- * attributable,
- * autonomous,
- * expert subject indices.

“It is futile to discuss whether the Index or the table of Contents is the more useful in a book.”

vlib.org



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3. The WWWVL in 2006

- The Association
- Central Services
 1. Catalog
 2. VLsearch
 3. Topic Map
- Infrastructure



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3.1. The Association

The WWWVL consists of over two hundred individual VLs, each maintained by individuals and institutions based throughout the World.

Many of those VLs are leading resources in their own fields of study, irrespective of their WWWVL membership.

VLs in English, French, German.

Parts of VLs in many, many languages.



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Services to members:

- link checking (?spell checking, accessibility checking, ...)
- site establishment/design guidance
- discussion lists
- ... meetings (first regional meeting, in Geneva this year)

Also ...

- Press relations
- Copyright permissions
- 'Outreach' ... today!



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3.2. Central Services

The Web interface to/for the public.

- a hierarchical catalogue
- a search engine
- a topic map (. . . to be queriable)



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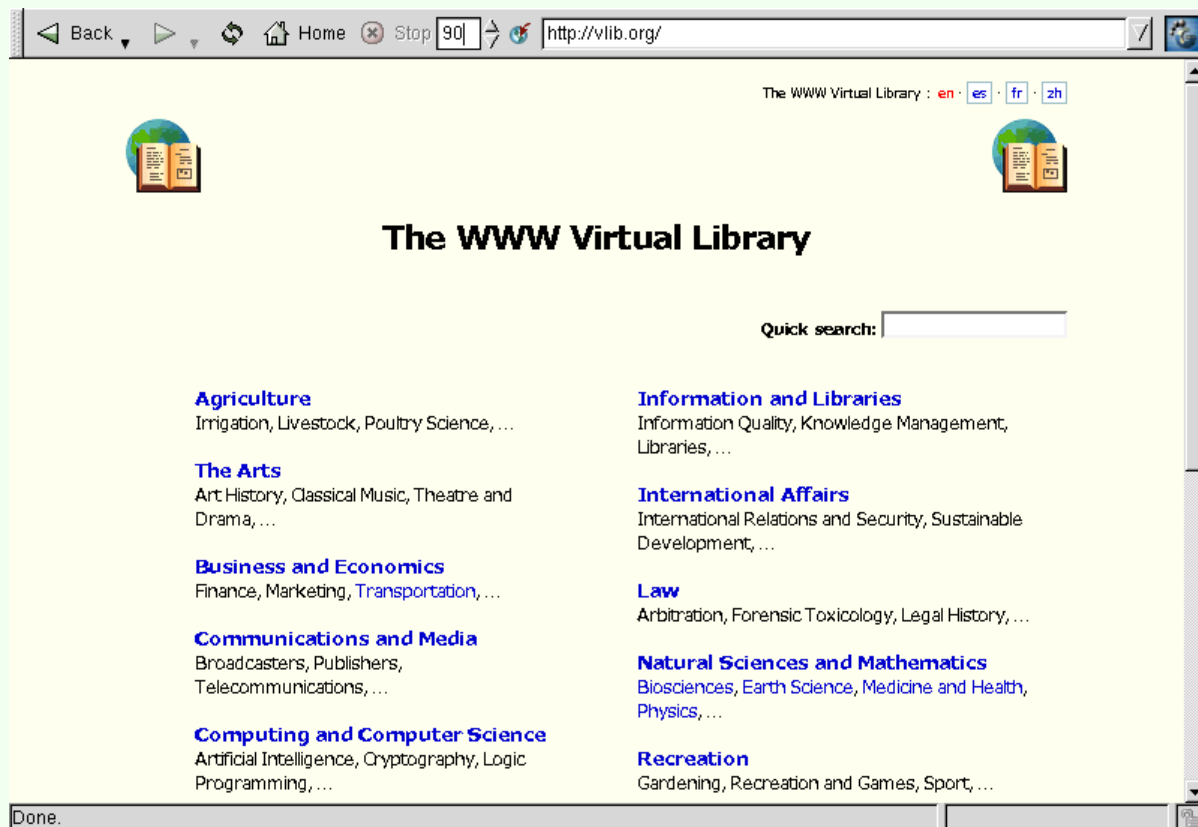
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3.2.1. Central Catalog



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Interfaces in various languages.



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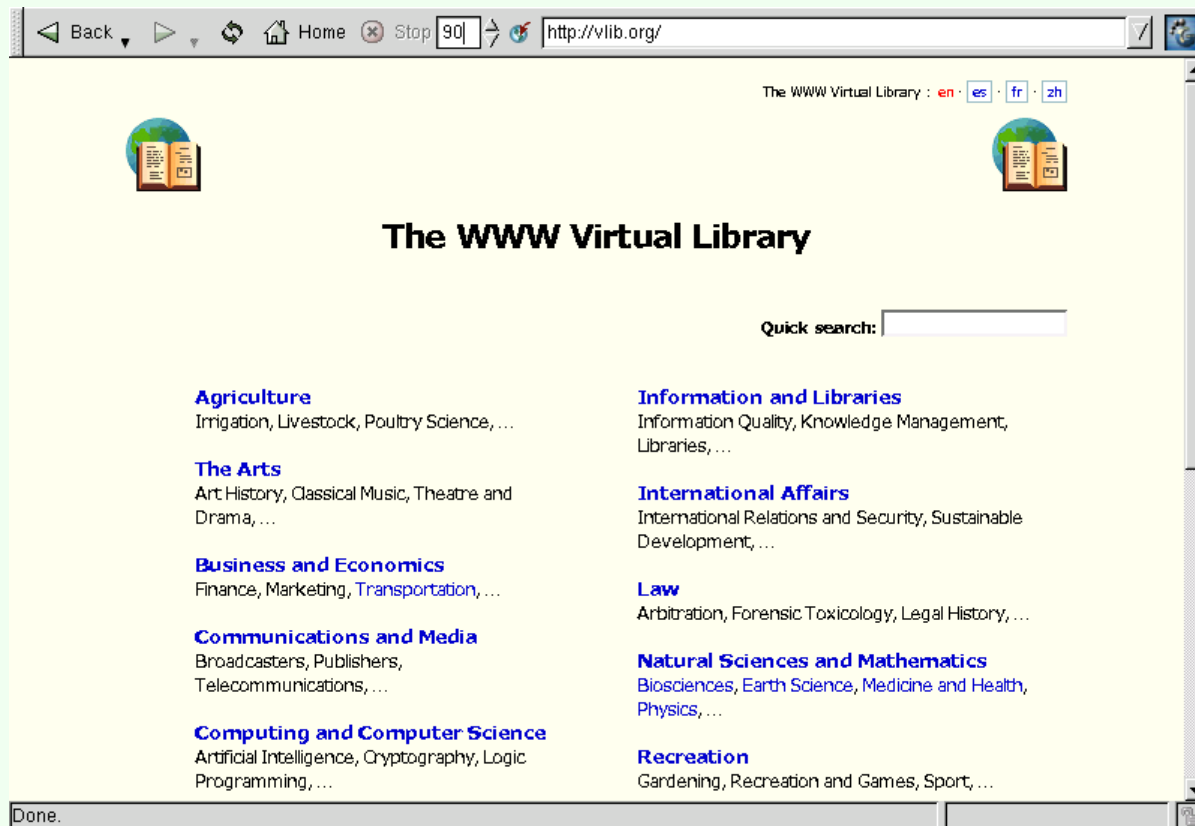
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Looking for *Myanmar*



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All rights reserved, including [database rights](#).
The WWW Virtual Library ('The VL') is an *association sans but lucratif* established in the Republic and Canton of Geneva.

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The WWW Virtual Library Regional Studies

Quick search:

Narrower Categories

- [Asian Studies](#)
- [Germany](#)

Aboriginal Languages of Australia	<p>Aboriginal Languages of Australia</p> <p>There are more than 200 Australian Indigenous languages. Less than 20 languages are strong, and even these are endangered: the others have been destroyed, live in the memories of the elderly, or are being revived by their communities. This site has annotated links to 180 resources for about 60 languages. About 25% of these resources are produced or published by Indigenous people.</p> <p>see also: Aboriginal Studies.</p> <p>this resource in English is indexed under: Languages and Linguistics, Regional Studies.</p>
	<p>Aboriginal Studies</p> <p>Guide to aboriginal studies. This site is maintained in conjunction with the Center For World</p>

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Asian Studies : en · es · fr · zh



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Quick search:

Asian Studies	Asian Studies Over 10 years of continuous service to the online community; Provision of expert information services, by the experts, for the experts. This research tool is produced by the Internet Publications Bureau, Research School of Pacific and Asian Studies at the Australian National University (ANU), Canberra. this resource in English is indexed under: Asian Studies.
Asian Continent	Asian Continent This document keeps track of leading information facilities pertaining to the whole of the Asian continent. this resource in English is indexed under: Asian Studies.
Asian Studies Electronic Mailing Lists	Asian Studies Electronic Mailing Lists Electronic mailing lists associated with the extensive Asian Studies Virtual Library network. this resource in English is indexed under: Asian Studies.

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Asian Studies WWW Monitor	Asian Studies WWW Monitor The Asian Studies WWW Monitor (ISSN 1329-9778) was established 21 April 1994. The journal, a pioneering and the only publication of this kind in the world, provides daily abstracts and reviews of new/updated online resources of significance to research, teaching and communications dealing with Asian Studies. It is published by the Internet Publications Bureau, RSPAS, National Institute for Asia and the Pacific, ANU. The periodical forms a key element of the global, cooperative project Asian Studies WWW Virtual Library. this resource in English is indexed under: Asian Studies.
Asian and Pacific Studies Electronic Journals	Asian and Pacific Studies Electronic Journals This document keeps track of leading online serials of value/significance to researchers in Asian and Pacific Studies. this resource in English is indexed under: Asian Studies.
Australian Agriculture	Australian Agriculture This Virtual Library aims to provide information on various topics that relate to Australian and New Zealand farming industries. this resource in English is indexed under: Agriculture, Asian Studies.
Bangladesh	Bangladesh The Bangladesh WWW VL is a part of the Asian Studies WWW Virtual Library Project and of the South Asia WWW Virtual Library. It was originally established on 24th March, 1994, by Dr T. Matthew Colek, Australian National University (ANU). From 1997 to 2002 it was managed by Kamal R. Adhikary, Asian Studies, UT Austin. The site is now maintained by Eduardo Contreras. this resource in English is indexed under: Asian Studies.
Burma (Myanmar)	Burma (Myanmar) Classified and annotated links to more than 5000 full text documents on Burma/Myanmar. this resource in English is indexed under: Asian Studies.
China	China The Internet Guide for Chinese Studies (IGCS) is part of the World Wide Web Virtual Library Project, which was founded at CERN by Tim Berners-Lee, the inventor of the World Wide

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Online Burma/Myanmar Library

*Classified and annotated links
to more than 11,000 full text documents on Burma/Myanmar*

[Introduction](#) | [Structural Overview](#) | [What's New](#) | [Advanced Search](#) | [Feedback](#)

Search

Main Library (by subject): Activism; Archeology; Aung San Suu Kyi; Children; Civil Society; Civil war; Dialogue/Transit; Drugs; Economy; Education; Environment; Ethnic and minority groups in Burma; Foreign Relations; Funding; Geography; Health; History; Human Rights; International Assistance to Burma; Internal Displacement; International Labour Organisation; Labour Issues; Languages of Burma; Law; Migrants; Military (Tatmadaw); Palaeontology; Politics and Government; Refugee; Social policies; Society and Culture; SPDC-related sites; Sustainability; The United Nations System; Tourism; Trafficking; Women.

Reading Room (by source): Bibliographies, universities, institutes, libraries, other research tools; Burma news (archive); Burma news (breaking); Burma news (current); Burmese Community sites; Burmese-language news sources; Conference proceedings; Dissertations; Essays; Electronic News; Film; Other; Photo; Reports; The Impact of R...

Done.

Usage:



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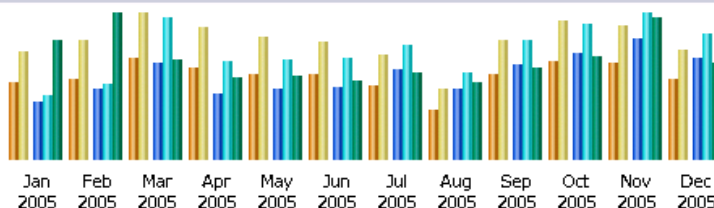
Quit

Summary

Reported period	Year 2005				
First visit	01 Jan 2005 - 00:00				
Last visit	31 Dec 2005 - 23:58				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	<= 879441 Exact value not available in 'Year' view	1244901 (1.41 visits/visitor)	3815042 (3.06 pages/visit)	4911222 (3.94 hits/visit)	15.46 GB (13.02 KB/visit)
Not viewed traffic *			3695561	4474906	4.69 GB

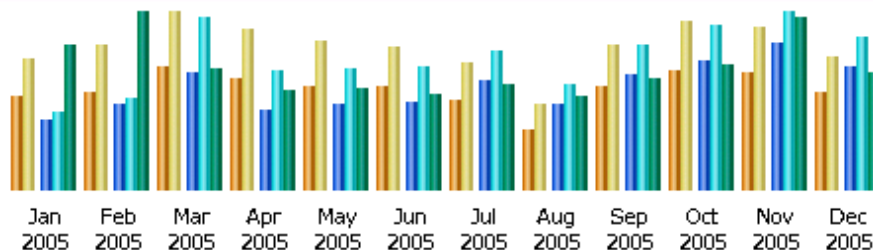
* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history





Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2005	67001	94207	217869	237972	1.52 GB
Feb 2005	70994	104547	263158	281958	1.88 GB
Mar 2005	88623	127805	359994	532927	1.29 GB
Apr 2005	80491	115451	247323	366342	1.06 GB
May 2005	74714	107258	267551	377381	1.07 GB
Jun 2005	73997	103155	270429	379142	1.00 GB
Jul 2005	64624	91394	335817	427027	1.11 GB
Aug 2005	43872	61664	263555	328160	1005.86 MB
Sep 2005	73973	104360	353982	447580	1.18 GB
Oct 2005	86546	121786	402057	509280	1.31 GB
Nov 2005	84576	116920	451640	548911	1.82 GB
Dec 2005	70030	96354	381667	474542	1.24 GB
Total	879441	1244901	3815042	4911222	15.46 GB

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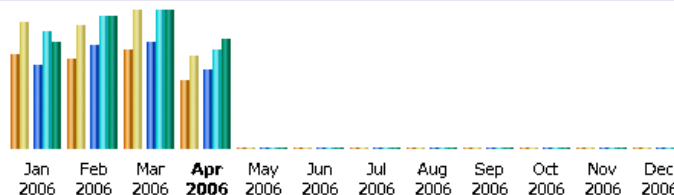
Quit

Summary

Reported period	Month Apr 2006				
First visit	01 Apr 2006 - 00:00				
Last visit	24 Apr 2006 - 02:01				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	58879	79947 (1.35 visits/visitor)	223431 (2.79 pages/visit)	278443 (3.48 hits/visit)	1.08 GB (14.13 KB/visit)
Not viewed traffic *			432011	451915	675.36 MB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2006	81070	109750	233339	328307	1.05 GB
Feb 2006	77888	107144	292064	370901	1.31 GB
Mar 2006	85490	119140	300524	386862	1.36 GB
Apr 2006	58879	79947	223431	278443	1.08 GB
May 2006	0	0	0	0	0

Hierarchical catalogue, the 'Catalog':

- built from a database (actually a topic map), this allows:
 - rich cross-linking
 - entries to easily appear on more than one page
 - rapid, easy updating
- the most popular entry point for the VL, with approaching one million unique visitors per year.



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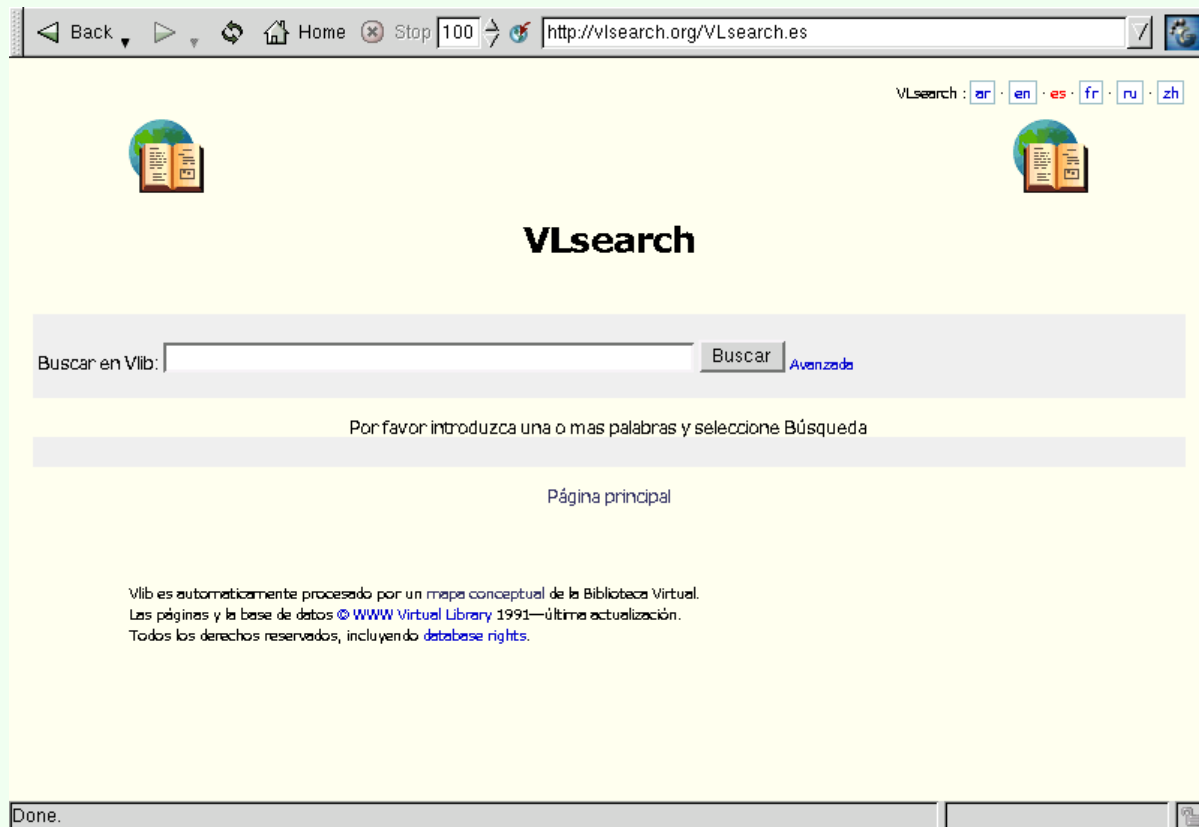
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3.2.2. VLsearch



The screenshot shows a Netscape browser window with the address bar set to `http://vlsearch.org/VLsearch.es`. The page features a search bar with the text "Buscar en Vlib:" and a "Buscar" button. To the right of the search bar is a link to "Avanzado". Below the search bar, there is a prompt in Spanish: "Por favor introduzca una o mas palabras y seleccione Búsqueda". A link to "Página principal" is centered on the page. At the bottom, a copyright notice states: "Vlib es automaticamente procesado por un mape conceptual de la Biblioteca Virtual. Las páginas y la base de datos © WWW Virtual Library 1991—última actualización. Todos los derechos reservados, incluyendo database rights."

Back Home Stop 100 `http://vlsearch.org/VLsearch.es`

VLsearch: [ar](#) · [en](#) · [es](#) · [fr](#) · [ru](#) · [zh](#)

VLsearch

Buscar en Vlib: [Avanzado](#)

Por favor introduzca una o mas palabras y seleccione Búsqueda

[Página principal](#)

Vlib es automaticamente procesado por un mape conceptual de la Biblioteca Virtual.
Las páginas y la base de datos © WWW Virtual Library 1991—última actualización.
Todos los derechos reservados, incluyendo [database rights](#).

Done.



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VLsearch : [ar](#) · [en](#) · [es](#) · [fr](#) · [ru](#) · [zh](#)

VLsearch

Search for:	<input type="text"/>	<input type="button" value="Search!"/>	Simple mode		
match:	<input type="button" value="All"/> Boolean syntax HELP	Results per page:	<input type="button" value="10"/>	Output format:	<input type="button" value="Long"/>
Search for:	<input type="button" value="Whole word"/>	Words forms:	<input type="button" value="All"/>	Use synonyms:	<input type="button" value="Yes"/>
URL matches:	<input type="text"/>	Document types:	<input type="button" value="all types"/>	<input type="button" value="do not group"/>	

e.g. <http://vlib.org/>, [/manual/](#), [index.html](#)

Please enter one or more words and press Search.

Main Page

Vlib pages are produced automatically from a topic map of the Virtual Library.
Pages and the database © WWW Virtual Library 1991-latest update.
All rights reserved, including [database rights](#).

Done.



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Back Home Stop 120 http://vlsearch.org/VLsearch.ar?form=extended&qprev=

VLsearch --- VL أبحث

طريقة أبحث بسيطة

أبحث علا أجمع الكلمات

عدد النتائج ١٠

الكلمات

مساعدة لاتنسيق البول

شكل الخروج

استعمل المترادفات

الكلمات

حالات الكلمات

كلمة كاملة

أنواع الحجم

أبحث علا

أبحث

مثل: http://vlib.org./topics/ index.html

أبحث

أكت كلمة أو كلمات والمس ر

الصفحة الرئيسية

معلومات وقاعدة المعلومات

مكتبة الفرضية

مختارات

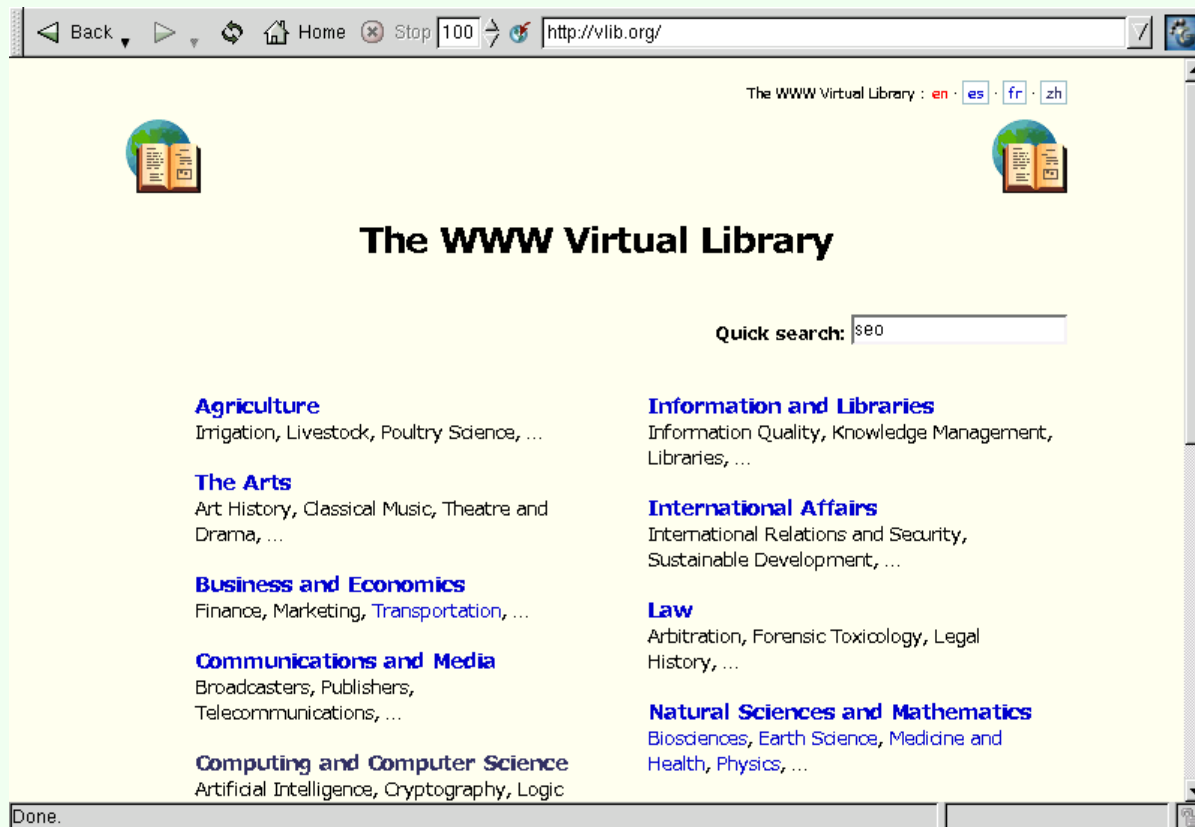
نتائج بحثاتها من

اختار تاريخ الرجعة ١٩٩١

www.Virtual Library ©

Done.

About search engine optimisation



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Back Home Stop 100 http://vlsearch.org/VLsearch?q=seo

VLsearch: [ar](#) · [en](#) · [es](#) · [fr](#) · [ru](#) · [zh](#)

VLsearch

Search for: Search! [Advanced](#)

Search for **seo**. Search results: **seo** : 43. Results 1-10 of 16. Search took 0.736 seconds

Sort by: **relevancy** | [last modified date](#) | [title](#)

1. WWW Virtual Library --- Advanced browsing :: screen size : foreign languages : text length : summarize : html : auto-completion
... - Selection of information - Deep web - Advanced search - **SEO** - Periodic search - Meta search - Other people search for you ... word of caution What you should know before contacting **SEO** firms. Blog: **SEO** Memo Discussions about search engine optimization. **SEO** Today Articles about what's happening in the **SEO** world. **SEO** Chat Articles about **SEO** world, tools, a newsletter... Do-it-yourself **SEO**. 3-step guide, very practical-minded **SEO** Toolkit: 21-step ...
<http://ert.sages.com/VLbrowsing/> - 20180 bytes [text/html] - Thu, 13 Apr 2006, 12:17:50 GMT
[\[Cached copy\]](#)
2. Internet Technologies Are Changing Public Relations: Article From KnowThis.com
... In fact, a new industry called Search Engine Optimization (**SEO**) was born as technology people

Done.



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Back Home Stop 110 http://artsages.com/VLbrowsing/

Advanced browsing : en



WWW Virtual Library --- Advanced browsing

Resources to improve search, selection and readability of information.

Broader categories :

- [WWW Virtual Library --- Information and Libraries](#)
- [WWW Virtual Library --- Computing and Computer Science](#)

Contents:

- [Screen size](#) - [Foreign languages](#) - [Text length / Summarize](#) - [Auto-completion](#) - [Personalized pages](#)
- [Click tagging](#) - [Selection of information](#) - [Deep web](#) - [Advanced search](#) - [SEO](#) - [Periodic search](#) - [Meta search](#) - [Other people search for you.](#)

★ Starred entries are especially recommended.

! New entries are added periodically.

Done.



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Back Home Stop 90 http://artsages.com/VLbrowsing/ altavista can show either a maximum of two results per site, or all results from the same site.

Search Engine Optimization

The dark arts of the Web or how to come on top of search engines results,

Google's [word of caution](#)
What you should know before contacting SEO firms.

Blog: [SEO Memo](#)
Discussions about search engine optimization.

[SEO Today](#)
Articles about what's happening in the SEO world.

[SEO Chat](#)
Articles about SEO world, tools, a newsletter...

[Do-it-yourself SEO](#)
3-step guide, very practical-minded

[SEO Toolkit](#)
21-step guide to optimize your web site for search engines, more theory than in the previous link. Also [in German](#).

[List of free SEO tools](#)
From the [SEO Book](#).

What is [SEO](#) ?
From Wikipedia.

[Meta-Tag.net](#)
"Everything you ever wanted to know about meta tags."

[SEO tips](#)
Some figures, some advice. Quick to read.

[Google news forum](#) and [archive](#)
Get the answers about the SEO questions you didn't even think of! This is not a resource for SEO beginners.

Google [keyword tool](#)
To generate keywords related to a subject.



Miscellaneous

Done.

Equally one could have reached this from *computing*:

Back Home Stop 90 http://vlib.org/Computing

Computing and Computer Science : en · es · fr · zh



The WWW Virtual Library Computing and Computer Science

Quick search:

Advanced browsing	Advanced browsing Resources whose primary purpose is to improve selection and readability of information. this resource in English is indexed under: Computing and Computer Science, Information and Libraries .
Artificial Intelligence	Artificial Intelligence This document contains some pointers to information on Artificial Intelligence (AI) available around the world on the World Wide Web. this resource in English is indexed under: Computing and Computer Science.
Audio	Audio This document contains some pointers to information on computer-based audio sound and associated software available around the world on the World Wide Web. see also: Acoustics , Vibrations and Signal Processing . this resource in English is indexed under: Computing and Computer Science, Humanities and Humanistic Studies , Sound .
Computer Aided Design (CAD)	Computer Aided Design (CAD) This section of Virtual Library is devoted to CAD education. This section contains links to important CAD resources associated with the CAD industry. this resource in English is indexed under: Computing and Computer Science, Engineering .

Done.



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World Health Organisation —simple search



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VLsearch

Search for:

[Advanced](#)

Search for **world health organisation**. Search

results: **world : 1689, worldly : 85, worlders**

: 1, worlds : 370, world's : 0, health :

38362, heal : 176, healing : 271, healed : 61, Results 1-10 of 179. Search took 27.628

healer : 52, healers : 45, heals : 7, seconds

organisation : 8697, organisations : 6102,

organisation's : 0, organization : 18927,

organizations : 15323, organization's : 0.

Sort by: **relevancy** | [last modified date](#) | [title](#)

World Health Organisation —“string” search



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VLsearch

Search for:

"world health organisation"

Search!

[Advanced](#)

Search for "**world health organisation**".

Search results: **world** : 1689, **worldly** : 85,

worlders : 1, **worlds** : 370, **world's** : 0,

health : 38362, **heal** : 176, **healing** : 271, Results 1-10 of 10. Search took 18.029

healed : 61, **healer** : 52, **healers** : 45, **heals** : seconds

7, **organisation** : 8697, **organisations** : 6102,

organisation's : 0, **organization** : 18927,

organizations : 15323, **organization's** : 0.

Sort by: **relevancy** | [last modified date](#) | [title](#)

World Health Organisation —search excluding synonyms (organisation/organization)



Search for: [Simple mode](#)

match: [Boolean syntax HELP](#)

Search for: Words forms: Use synonyms:

Results per page: Output format:

Document types:

URL matches: e.g. <http://vlib.org/> , [index.html](#)

Search for **world health organisation**. Search results: **world : 1689, worldly : 85, worlders : 1, worlds : 370, world's : 0, health : 38362, heal : 176, healing : 271, healed : 61, healer : 52, healers : 45, heals : 7, organisation : 8697, organisations : 6102,**

Results **1-10** of **113**. Search took **3.535** seconds

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World Health Organisation —search for the “string” without synonyms



Search for: [Simple mode](#)

match: [Boolean syntax HELP](#)

Results per page: Output format:

Search for: Words forms: Use synonyms:

Document types:

URL matches: e.g. <http://vlib.org/>, [/manual/](#), [index.html](#)

Search for **"world health organisation"**.
Search results: **world : 1689, health : 38362, organisation : 8697**.
Results 1-4 of 4. Search took 24.396 seconds

Sort by: **relevancy** | [last modified date](#) | [title](#)

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World Health Organisation:

simple search	179
“string”	10
without synonyms	113
“string” without synonyms	4

Usage:



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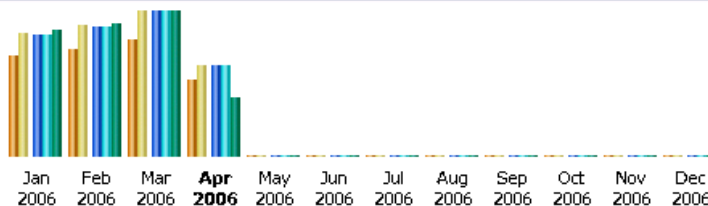
Quit

Summary

Reported period	Month Apr 2006				
First visit	01 Apr 2006 - 00:02				
Last visit	24 Apr 2006 - 02:01				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	16350	19539 (1.19 visits/visitor)	53071 (2.71 pages/visit)	53071 (2.71 hits/visit)	191.51 MB (10.03 KB/visit)
Not viewed traffic *			7680	7680	10.14 MB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history



Search Engine of member VL pages, 'VLsearch':

- relatively young (just over one year old)
- still adding member VLs and ensuring their coverage
- popular: twenty to thirty thousand visitors/month
- some 10% of users are using a non-English language interface



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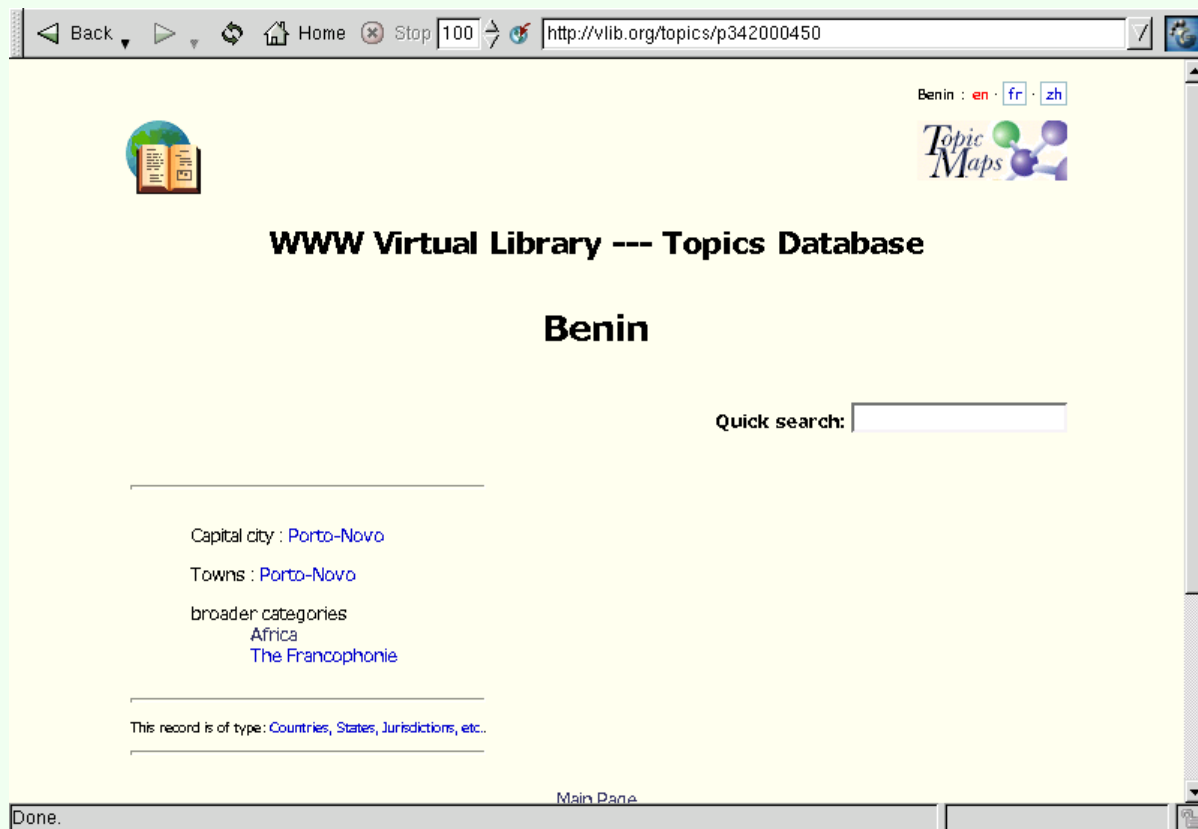
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3.2.3. Topic Maps



The screenshot shows a web browser window with the address bar displaying <http://vlib.org/topics/p342000450>. The page title is "WWW Virtual Library --- Topics Database" and the main heading is "Benin". In the top right corner, there are language links: "Benin : en · fr · zh". Below the heading, there is a "Quick search:" label followed by a text input field. On the left side, there is a list of related topics: "Capital city : [Porto-Novo](#)", "Towns : [Porto-Novo](#)", "broader categories", "Africa", and "The Francophonie". At the bottom left, a status bar indicates "Done." and "Main Page".

Benin : [en](#) · [fr](#) · [zh](#)

WWW Virtual Library --- Topics Database

Benin

Quick search:

Capital city : [Porto-Novo](#)

Towns : [Porto-Novo](#)

broader categories

- [Africa](#)
- [The Francophonie](#)

This record is of type: [Countries](#), [States](#), [Jurisdictions](#), etc..

Done. Main Page



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The Francophonie : en · fr · zh

WWW Virtual Library --- Topics Database

The Francophonie

Quick search:

narrower categories

- [Albania](#)
- [Andorra](#)
- [Armenia](#)
- [Austria](#)
- [Belgium](#)
- [Benin](#)
- [Bulgaria](#)
- [Burkina Faso](#)
- [Burundi](#)
- [Cambodia](#)
- [Cameroon](#)
- [Canada](#)

Done.



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[Switzerland](#)
[Togo](#)
[Tunisia](#)
[Vanuatu](#)
[Vietnam](#)

[Organisation Internationale de la Francophonie](#) external link
provides a definitive list of members, and other details of the Francophonie

Relevant VL member library:

[Francophonie](#)

WWW Virtual Library **Arbitration Database**
This subject is also covered in the [WWW Virtual Library Arbitration Database](#).

WWW Virtual Library **Law**
This subject is also covered in the [WWW Virtual Library Law](#).

Note
All 'members' are listed here. That is the forty-nine full members, the four "états associés" (Albania, Andorra, Greece and Macedonia) and the ten "états observateurs" (Armenia, Austria, Croatia, the Czech Republic, Georgia, Hungary, Lithuania, Poland, Slovakia and Slovenia).

This record is of type: [Regions of the World](#).

Main Page

Done.



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Back Home Stop 120 http://assokeo.free.fr/francophonie.htm



WWW Virtual Library --- Francophonie

Catégorie supérieure : [WWW Virtual Library --- International Affairs](#)

francophonie et Francophonie

La francophonie désigne la communauté composée des personnes qui ont en commun l'usage de la langue française. Avec un F majuscule, elle désigne la Francophonie institutionnelle, dont le principal acteur est l'Organisation internationale de la Francophonie.

A la base d'un travail de Doctorat sur le thème de « La géopolitique des aires linguistiques : le cas de la Francophonie institutionnelle », ce site vise à répertorier un certain nombre de sites internet touchant au thème de la francophonie.

La liste non exhaustive sera complétée au fil des recherches.

Done.



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A Topic Map links TOPICS by ASSOCIATIONS.

A thesaurus is a simple example. It has very few association types (e.g. BROADER TERM and NARROWER TERM).

In a TM associations can be anything describable. They are also inherently, themselves topics.

Thus associations such as 'is the author of', 'wrote the work', 'is published by', 'is the publisher of'.

The ability to query the *associations* between topics as well as the (page) topics themselves is a very powerful tool.



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Topic mapping topics in member VLs:

Topic Maps originated from research on the meta-indexing of textbooks –they fit very closely with the needs of the WWWVL.

- relatively young (one year old)
- experimental
- fairly obviously, works best with easily defined/fixed topics (countries, languages, ...)
- Much to do:
 - The creation of a TMQL (TOPIC MAP QUERY LANGUAGE) would release the power of the knowledge contained in topic maps –at the moment our present pages probably appear to most users as just an over-sized hierarchy with rather good cross-linking
 - if we are to achieve a “semantic Web” this would be a major contribution towards it

3.3. Infrastructure



Linux

The VL central services were put on an existing, running server in Geneva in late 2004.

Although orders of magnitude different from the server's previous usage, as one might expect there were no significant problems.

Webserver: *Apache*

Database (TM) software: 'bespoke' (but quite simple Perl).



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4. The WWWVL and the Future

Volatility

both 'loss' and having 'had the consultants in' ...

What to do about loss:

to cache / to archive ?

greater linking to archive.org ?

... ?



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Censorship/Partisanship

ordre public



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Censorship/Partisanship

ordre public

sites/domains that advocate/condone child prostitution



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Censorship/Partisanship

ordre public

sites/domains that advocate/condone child prostitution

sites/domains that advocate/condone torture ... ?



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Censorship/Partisanship

ordre public

sites/domains that advocate/condone child prostitution
sites/domains that advocate/condone torture ... ?

Practically a VL on, say, Classical Music should not be advocating or encouraging classical music; it should be giving a dispassionate, balanced review of the best web resources available on its subject area.



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The challenges the Virtual Library faces in relation to knowledge management, in the cataloging of resources and making an accessible, effective interface to those resources are far from unique.

They are major challenges that will face us all, if in various forms, over the coming decades.

5. Conclusion

- Creation of a stable management structure, building on a decade-and-a-half of remarkable voluntary administration.
- Whilst guarding the primary role of knowledge dissemination, widening the target population.

The VL has always prided itself on using small (fast loading) pages, 'frames' free and with only essential graphics content. What was (and is) of advantage to those with poor connectivity, is now relevant for the increasing number of small screen devices.

- The central catalogue is now available in English and French, Spanish is in the process of being loaded. An experimental Chinese interface is already in operation and is being re-edited.

The search engine has Arabic, English, French and Spanish interfaces. It is intended to have both servers working in all five of these languages as well as Russian.

- 'Outreach' both to members (a first regional meeting in 2006) and to non-members (*Linux Days*, the *Topic Maps Research and Applications* conference, the 4^{me} *Rassem-*



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blement pour les droits de l'homme, today) has broadened interest in the VL as well as providing valuable feedback from experts in related fields.

Such activities will need expanding: to attract new members (and thus improve coverage); to inform users and potential users; to attract sponsors and supporters; and, not least, to learn from all these persons.

- Knowledge can only be effectively disseminated if it can be found. A hierarchical catalogue and a VL specific search engine are both essential parts of this. Mapping subjects and their semantic linkages is an area the VL is developing using topic maps and published subject/resource indicators (PSIs).
- Such a mapping should link deeper into member virtual libraries.
- Amongst central services to members is the checking of the validity of links on their pages. Extending this to a robust quality audit including link checking, page accessibility criteria (i.e. WAI) and spellchecking is an important



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goal.

A detailed booklet of guidelines has already been published and distributed to members.

- Feedback, particularly today, feedback on how to improve knowledge dissemination in parallel with 'development' initiatives, is always sought, and valued.



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vlib.org